

FLOOR SEAL HS

ThistleBond

A Division of E. Wood Ltd., U.K.



ThistleBond 'Floor Seal H.S.' is a high performance high solids epoxy coating designed for use as a single coat flooring system for concrete substrates.

ThistleBond 'Floor Seal H.S.' consists of a unique blend of epoxy resins combined with polyamino adducts which have been specifically formulated to provide the optimum level of adhesion, abrasion, impact and chemical resistance which will provide excellent long term protection to industrial floors operating within aggressive environments.

ThistleBond 'Floor Seal H.S.' is ideal for use in workshops, garages, factories, warehouses etc.

SURFACE PREPARATION & APPLICATION PROCEDURE

Surface Preparation

All surfaces should be clean, dry and free from oils, grease and any other contamination. Surfaces should be thoroughly abraded or lightly abrasive blasted to remove all surface laitence and vacuumed to remove loose dust.

Mixing

ThistleBond 'Floor Seal H.S.' is a two component material comprising resin and hardener components which must be mixed together prior to use. Stir the resin component, continue stirring whilst adding all the contents of the hardener component and mix until homogeneous. To ensure thorough mixing it is advisable that the mixed product is transferred to another container and the original container is scraped out, and further mixing carried out to ensure a homogeneous mix is obtained. The mixed product must be used within 1 hour of mixing at 20°C.

Application

ThistleBond 'Floor Seal H.S.' should not be applied when the relative humidity exceeds 85% or when the surface to be coated is less than 3°C above the dew point. It is not advisable to apply ThistleBond 'Floor Seal H.S.' When the surface is less than 10°C. ThistleBond 'Floor Seal H.S.' can be applied by good quality brushes or medium pile rollers. The coating should be applied evenly and the surface completely 'wetted out' with regular checks being made to ensure the correct film thickness is applied. When application involves areas of an intricate nature it is advisable to split the mixed material into small quantities and use two applicators to avoid the material becoming unusable before application is complete.

FLOOR SEAL HS

PHYSICAL PROPERTIES

Abrasion Resistance	30 mg loss / 1000 cycles
ASTM D4060	CS17 wheel 1 kg load
Impact Resistance	3.95 joules
ASTM D2794	(35 in lbs)
Dry Heat Resistance	135 °C
ASTM D2485	
Direct Pull Adhesion	35 kg/cm ²
ASTM D4541	(500 psi)
Scrub Resistance	> 10000 cycles
ASTM D336	
Tensile Strength	160 kg/cm ²
ASTM D683	(2275 psi)
Scratch Resistance	No Failure 2.5 kg Load
BS 3900 Part E2	(5.5 lbs)
Recommended Thickness	Wet 150 - 175 microns
	Dry 125 - 150 microns
Coverage per litre	6.6 m ² @ 125 microns

PHYSICAL CONSTANTS

Mixing Ratio	Resin	Hardner
By volume	2	1
Appearance	Resin	Hardner
Liquid	Viscous Coloured	Coloured
Drying Time @ 20°C		
Usable Life	45 Minutes	
Touch Dry	6 Hours	
Hard Dry	24 Hours	
Full Cure	7 days	
Volume Solids	85%	
VOC	137 gm/litre	
Shelf Life	5 years	

CHEMICAL RESISTANCE *

Acetic Acid 0-10%	Excellent
Hydrochloric Acid 0-10%	Excellent
Nitric Acid 0-10%	Excellent
Phosphoric Acid 0-75%	Excellent
Sodium Chloride	Excellent
Crude / Diesel / Petrol	Excellent
Sulfuric Acid 0-10%	Excellent
Sea Water / Coolants	Excellent

SUPPLY INFORMATION

Stock No : TPC620
Description : Floor Seal HS
Pack Size : 20 litre

* for further information see Chemical Resistance Chart

RECOMMENDED APPLICATIONS

Single coat flooring system for concrete substrates

- Shop floors, production floors, machine beds
- Loading decks, garage, factories
- Warehouses, workshops

Distributor catering to your needs



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